

(SF-1029)

# 13  
Effect of Cold Working on the Properties of  
Aluminum-Copper and Aluminum-Copper-Magnesium  
Alloys Aged Under Various Conditions, by Z. A.  
Sviderskaya, A. A. Vashchenko, 7 pp.

RUSSIAN, per, Trudy Inst Met imeni A. A. Baykova  
Ak Nauk SSSR, Vypusk V, Met, Metalloved, Fiz-Khim  
Metally Issledov, No 5, 1960, pp 95-99.

JPRS 4035

NLL M. 4342

Sci. Min/Metals

OTS 62-13101

Sep 60

126,053

# 13

(SF-1029)

Investigation of the Heat Resistance of Alloys of  
Platinum With Rhodium, Iridium, Ruthenium,  
Chromium, and Aluminum by the Bend-Test Method,  
by I. I. Kornilov, R. S. Polyakova, 9 pp.

RUSSIAN, per, Trudy Inst Met imeni A. A. Baykova  
Ak Nauk SSSR, Vypusk V, Met, Metalloved, Fiz-Khim  
Metody Issledov, No 5, 1960, pp 139-144.

JPRS 4039

126,052

Sci - Min/Metals

PHYSICO-CHEMICAL INVESTIGATIONS OF THE SiC-B4C  
SECTION OF THE Si-B-C SYSTEM, BY A. A.  
KALININA, F. I. SHAMRAY, 18 PP.

RUSSIAN, PER, TRUDY INSTITUTA ~~METALLURGI~~  
K METALLURGII IMENI A. A. BAYKOVA, METALLUR-  
GIYA, METALLOVEDENIYE, FIZIKO-KHIMICHESKIYE  
METODY ISSLEDOVANIYA, NO 5, 1960, PP 151-155.

JPRS 16409

JPRS 4045

DIC - CHEM  
DEC 62

217,164

11

(NY 4561)

Phase Diagram of the V-La System, by Ye. M. Savitskiy,  
V. V. Bardon, Yu. V. Yefimov,

RUSSIAN, Izv. Trudy Inst Met Imeni A. A. Baykova  
Ak Nauk SSSR, Vypusk V, Met Metalloved, Fiz-Khim  
Metody Issledov, No 5, 1960, pp 166-173.

\*JPRS

Sci-Min/1960

20 Jul 60

(SI-1013)

# 11  
Principal Methods and Apparatus for Investigating  
Oxidation Processes in Metal and Alloys, by  
D. V. Ignatov, 48 pp.

RUSSIAN, per, Trudy Inst Met Imeni A. A. Baykova  
Ak Nauk SSSR, Vypusk V, Met, Metalloved, Fiz-Khim  
Metody Issledov, No 5, 1960, pp 202-237.

JPRS 4040

Sci - Min/Metals

Sep 60

126,051

Electric and Galvanomagnetic Properties of  
Diluted Solid Solutions, by Ye. G. Okonnikov,  
11. pp.

RUSSIAN, per, Trudy Inst Metal imeni A. A.  
Baykova, AN SSSR, Met Metalloved, Fiz Khim  
Metody Issledov, No 6, 1960, pp 32-40.  
9670592

FTD-MCL-1053/1

Sci - Min/Metal

164, 967

Aug 61

SOME RESULTS FROM THE APPLICATION OF THE  
X-RAY SPECTRAL METHOD OF ANALYSIS OF THE  
COMPOSITION OF MICROVOLUMES OF ALLOYS, BY  
N. P. IL'IN, L. E. LOBEVA.

~~RUSSIAN, PER, TRUDY INST MET IZMENI A. A.  
BAIKOVA, NE, METALLOV, FIZ-KHIM METBOY  
ISSLEDOV, NO 6, 1960, PP 81-88.~~

AEI T/1696

SCI - PHYS

NOV 61

173.187

AN X-RAY SPECTRAL ANALYZER OF THE CHEMICAL  
COMPOSITION IN MICROVOLUMES OF MATERIAL, BY  
A. N. DEYEV.

RUSSIAN, PER, TRUDY INST MET INENI A. A.  
BAIKOVA, MET, METALLOV, FIZ-KHIM METODY  
ISSLEDOV, NO 6, 1990, PP 102-108.

AEI 1/1695

SCI - PHYS

173,185

NOV 6L



The Influence of Polarization and PB-5 Inhibitor  
on the Corrosive Decrepitation of Carbon Steels,  
by S. B. Fel'gina, V. V. Romanov. KX 10 pp.

RUSSIAN, per, Trudy, Ak Instituta Metallurg  
inemi A. A. Baykova, VIII Metallurgiya  
Metallovedeniye Fiziko-Khimicheskiye Metody  
Issledovaniya, Izdatel'stvo AN SSSR, 1961,  
#XIX 9678801

FTD-TT-62-134

Sci-Min, Mat, Chem,

217,585

The Structure and Properties of Alloys at the  
Niobium Corner of the Niobium-Vanadium-Aluminum  
System, by V. V. Baron, N. K. Agafonova, 10 pp.

RUSSIAN, per, Trudy, Ak Instituta Metallurg  
ineni A. A. Baykova, VIII Metallurgiya  
Metallovedeniye Fiziko-Khimicheskiye Metod,  
Issledovaniya, Izdatel'stvo AN SSSR, 1961,  
»678801

PTD-TT-62-134

Sci-Min/Metals

217,586

The Metallochemistry of Vanadium, by  
I. I. Kornilov, M. M. Matveyeva, 43 pp.

RUSSIAN, per, Trudy, Ak Instituta Metallurg  
imeni A. A. Baykova, VIII Metallurgiya  
Metallovedeniye Fiziko-Khimicheskiye Metody  
Issledovaniya, Izdatel'stvo AN SSSR, 1961,  
pp 1-43. 9678801

82-106.

FTD-TT-62-134

217552

Sci-Min/Metal, Chem  
Dec 62

A Phase Equilibrium Diagram for the Titanium-  
Vanadium-Iron System, by Bi Tsia-Khua,  
I. I. Kornilov, 6 pp.

RUSSIAN, per, IN Trudy, Ak Instituta  
Metallurgii imeni A. A. Baykova, VIII Metallur  
Metallorudeniya Fiziko-Khimicheskiye Metody  
Issledovaniya, Izdatel'stvo IN SSSR, 1961,  
pp 54-106, 9678801

PTD-TT-62-134

Sci-Chem  
Dec 62

217,596

Vanadium and the Areas of its Application,  
by N. I. Kornilov, N. M. Matveyeva, 41 pp.

RUSSIAN, per, Trudy, Ak Instituta Metallurgi  
Imeni A. A. Baykova, VIII Metallurgiya  
Metallovedeniye Fiziko-Khimicheskiye Nauki  
Metody Issledovaniya, Izdatel'stvo AN SSSR,  
1961, 9678801

126-127  
PTN-TT-62-134

Sci-Min, Metal, Chem  
Dec 62

Research on Vanadium-Copper-Carbon and Vanadium-Copper-Aluminum Alloys, by Ye. M. Savitskiy, V. V. Boron, 12 pp.

RUSSIAN, per, Trudy, Ak Instituta Metallurg  
imeni A. A. Baykova, VIII Metallurgiya  
Metallovedeniya Fiziko-Khimicheskiye Metody  
Issledovaniya, Izdatel'stvo AN SSSR, 1961,  
pp 149-165. 9678801

FTD-TT-62-134

217,597

Sci- Chem  
Dec 62

The Influence of Tensile Stresses on the  
Corrosive Decrepitation of Carbon Steels,  
by S. B. Fel'gina, V. V. Romanov, 18 pp.

RUSSIAN, per, Trudy, Ak Instituta Metal-  
lurgii imeni A. A. Baykova, VIII Metal-  
lurgiya Metallorodeniya Fiziko-Khimicheskiye  
Metody Issledovaniya, Izdatel'stvo AN SSR,  
1961, pp 269-277. 9678801

FTD-TT-62-184

217,592

Sel-Hin/Not, Chen  
Dec 62

INVESTIGATION OF THE MICROSTRUCTURE OF CHROMIUM,  
BY M. P. MATVEYEVA, 10 PP.

RUSSIAN, PER, TRUDY INSTITUTA METALLURGI IMENI  
A. A. BAIKOVA — METALLURGIYA, METALLOVEDENIYE,  
FIZIKO-KHIMICHESKIYE METODY ISSLEDOVANIYA, NO 10,  
1962, PP 181-187.

JPRS 16591

U SCI - M/M, CHEM  
DEC 62

218,318



THE STRUCTURE AND CERTAIN PROPERTIES OF GAS-  
FLAME COATINGS, BY K. S. SHLYAKOVA, 9 PP.

RUSSIAN, PER, TRUD INSTITUTA MET IMENI A. A.  
BAYKOVA -- MET , METALLOVEDENIYE, FISIKO-

KHIMICHESKIYE METODY ISSLEDOVANIYA, NO 10, 1962, PP 194-201.

JPRS 16788

SCI - PHYS

JAN 63

218,570

THE STRENGTH OF FINE METALLIC THREADS, BY  
V. N. GEMINOV, I. M. KOP'YEV, 9 PP.

RUSSIAN, PER, TRUDY INSTITUTA METALLURGI

IMENI A. A. BAYKOVA -- METALLURGIA.

METALLOVADENIYA, FIZIKO-KHIMICHESKIYE METODY  
ISSLEDOVANIYA, NO 10, 1962, PP 202-208.

JPRS 16567

SCI - M/M

DEC 62

218 ~~208~~,060

The Extent of the Oxidation Zone in the Blast  
Furnace, by L. Z. Kravchik.  
RUSSIAN, in, Trudy Inst Metallurgiya imeni  
A. A. Baykova Ak Nauk SSSR Metallurgiya  
Metallovedeniye Fiz. Khim. Metody Izvied, No 11,  
1962, pp 16-30.  
BISI 3651

Sci - M/M  
Jun 64

261,122

Studying the Oxidation of Niobium Base Alloys, by  
V. I. Grigorovich, A. I. Dedyurin, 37 pp.  
RUSSIAN, per, Trudy Inst Metall Metallurgiya Metallovedeniye  
Iziko Khim. Metody Issled, No 12, 1963, pp 214-240. 969152a3

FTD-TT-63-1020

Sci - M/M  
Mar 64

251,071

Investigating Oxidations of Niobium-Titanium-  
Zirconium Alloys, by D. A. Prokoshkin,  
Ye. V. Vasil'yeva, 8 pp.  
RUSSIAN, per, ~~Tekhnicheskaya Metallurgiya~~  
~~Elektricheskaya Metallurgiya~~, No 13, 1963,  
pp 157-162. 9308778  
FTID-TT-64-1037

Sci - M/M  
May 65

280,411

Reactions of Columbium and Vanadium with Magnesium, by Ye. M. Savitskiy, V. Baron.

RUSSIAN, per, Trudy Inst Met im A. A. Baikova,  
Akad Nauk SSSR, No 14, 1963, pp 139-146.

AEC UCRL-Trans-10219

Sci-Chem  
July 68

357,420

Certain Features of the Electron Spectrum  
of Superconductors, by L. B. Borovitskiy,  
13 pp.

RUSSIAN, per. from Metallurg A. A.

BAKIN, Y. A. and V. A. Metel'ov,

FIZ-KHIM METALLOV, No 6, 1960, pp 41-48.

IPRS 2529

Sci - M/M

Jul 1964

62,653

X-Ray Spectra of the Superconducting Compound  
CuS, by I. B. Bessonovskiy, I. A. Ovsyannikov,  
7 pt.  
RUSSIAN, per, Trudy Inst. Metall. imeni A. A.  
Baykova, Voen. Akad. Inzh. Metall.  
FI2-Khim. Metall. 1960, No 6, 1960, pp 49-53.  
JPRS 25289

Sci - M/M  
Jul 1964

262,654



Investigation of Diffusion of Silicon and Titanium in  
Aluminum, by P. M. Arsenyev, R. M. Volkova, 7 pp.  
RUSSIAN, per, Izv. Inst. Metallurgii Metallur Metallov  
Fiz-Khim. Moscow, No. 1, 1962, pp 78-82. 9696087  
FTD-TT-64-710

sci - M/M  
Mar 65

275,661

*Effect of some physiocochemical factors on adsorption capacity of active carbon for rhenium, by K. B. Levedev, T. Sh. Tyurekhodzhaeva.*

*RUSSIAN, per, Trudy instituta metallurgii i obogashcheniya, Akadem. Nauk Kazak SSR, Vol 8, 1963, pp 84-96.*

*NASA TT F 14,250*

*apr 72*

High Strength Steel, by D. A. Prokoshkin, 23 pp.  
RUSSIAN, per, Trudy Inst Metallurgiya, Metall,  
Metallo, Fiz-Khim Metody Izled, No 18, 1963,  
pp 104-121. 9695897  
FTD-TT-64-679

/acu : M/M  
Feb 65

272,799

The Properties of Ferritic Iron-Aluminum Alloys,  
by G. A. Barmak, L. P. Zudin, et al.  
RUSSIAN, pt. 1, Izv. Institut Metal Baikov, No 14,  
1968, pp 65-77.  
BULK 3839

Sci-M/M  
Feb 65

274,574

A Review of Energy and Mechanism of Self-  
Dissolution of Nickel, by A. Ya. Shinyayev,  
I. P.  
RUBIN, per. Trudy Inzhin. Metallurg. inzh.  
A. A. Belyaev, V. V. K. V. Metallurg. Metallove  
Fiz. Khim. Met. No 14, 1963,  
71-8.  
IPRS 24761

Sci. - M/M  
Jun 64

6  
261,096

Investigation of Diffusion Processes in Brazing  
Rhenium-Coated Titanium, by V. V. Bondarev,  
A. Ya. Shnyayev, J. P.  
RUSSIAN, per, Trudy Instituta Metallurgii imeni  
G. A. Baidova, Vol. XIV, Metallurgy,  
Moscow, Fizmatgiz, Moscow, 1983,  
No. 1, 1983, pp. 25-29.  
JPRS 24761

S-1 - M/M  
JUN 64

6  
2161, 697

Effect of Additional Alloying on the Properties  
of Magnesium-Aluminum Alloys, by  
M. Ye. Drin, Z. A. Gvishviliya, et al, 12 pp.  
RUSSIAN, per, Metallurg imeni  
A. A. Baikova, Metallurg.  
Metallurg, Fiziko-khimiya Metallurg.  
No 14, 1963, pp 12-19.  
JP 35 24761

Sci - M/M  
Jan 64

6  
261,098

Recrystallization of Mn-Cr Alloys, by E. S. Kadaner,  
A. A. Oreshkin, 12 pp.  
RUSSIAN, Metallurgicheskii Zhurnal  
A. A. BAYKOV, V. I. KADANER, V. I. KADANER,  
Moscow, Fiziko-Khimicheskaya  
NO. 3, 1965, PP 180-183.  
IPRS 24761

Sci - M/M  
Jun 64

6  
261, 699



Change of Structure and Mechanical Properties  
of Alloys Based on Metallic Compounds by the  
Method of Solubilizing the Low Melting Component,  
by Ye. M. Savitsky, 12 p., 10 pp.  
RUSSIAN, for High Temperature Metallurgy Invent  
M. M. G. 1964, No. 14, pp. 137-154.  
No 14, 1964, pp. 137-154.  
JPRS 24761

Sci - M/M  
Jul 64

261,100

On the Special Features in the Electron Spectrum of Superconducting Compounds, by I. V. Borevskiy, 12 pp.

RUSSIAN, per. Izdat. Institut Metallurgii imeni A. A. Baykova, Metallurgiya, Metallovedeniye, Fiziko-Khimiya Metody Issledovaniya, No 15, 1963, pp 79-87.

JPRS 22588

Sci-Mat & Mat  
Jan 64

245, 558

Obtainment and Properties of Monocrystals of  
the High-Melting Metals, Tungsten, Rhenium,  
Tantalum, Molybdenum and Niobium, by  
Ye. M. Savitskiy, Ch. V. Kopetskiy, et al,  
5 pp.

RUSSIAN, ~~Trudy Ak Nauk SSSR Inst Metall,~~  
~~Issledovaniya po Zharostivym Splavam, Moscow,~~  
Vol IX, 1962, pp 192-194. 966417

FTD-TT-63-270

Sci-WM  
July 63

286,061

Investigation of Chromium-Tungsten Alloys by  
the Thermal Diffusion Method,  
by L. A. Prokoshkin, B. N. Arzamasov.  
RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal  
Issled po Mikroproch Splavam, Vol X, 1963,  
\*FTD-T-65-495

Sci - 174  
Oct 65

The High-Temperature Region of the Positive  
Influence of a Polygonized Structure on Creep,  
by G. Ya. Kozy'rskiy.

RUSSIAN, per, Trudy Ak Nauk SSSR Inst Metal Issled  
po Zharoproch Spavani, Vol X, 1963, pp 8-15.

\*FD-35-495

Sci - RICHES

Oct 65

Investigation of Limit Values of  
Activation Energy of Creep of Titanium-  
Zirconium Alloys, by K. A. Osipov,  
A. L. Sotnichenko, 8 pp.  
RUSSIAN, per, Trudy Inst Metall Issled po  
Zhuravichyama Spivaya, Ak Nauk SSSR,  
Vol. 1, 1963, pp 27-31. 9697761  
FTI-TT-65-88

Sci - N/M  
Aug 65

287,543

The Structure of the Intergamular Boundaries  
of Recrystallized Molybdenum, by Yu. I. Derkin,  
G. V. Estulin.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal  
Issled po Zharoproch Splavam, Vol X, 1963,  
pp 76-80.

\*FTD-MT-65-495

Sci-M  
Oct 55

The Possibility of Describing and Calculating  
the Grain Growth Rate During Metal Recrystalli-  
zation by the Vacancy Displacement Method,  
by L. N. Aleksandrov.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal  
Issled po Zharoproch Splavov, Vol X, 1963,  
pp 190-201.

\*ITD-WF-65-495

Sci - P/H  
Oct 63



Condition of Grain Boundaries During Recrystallization, by S. Z. Boskhteyn, S. T. Kishkin, et al.

RUSSIAN, per, Trudy Ak Tsuk SSSR, Inst Metal  
Issled po Zharnoproch Splavim, 1963, Vol X,  
pp 214-218.

\*ITD=FI-65-495

Sci - 1/11

Oct 65

A Study of Kinetics and Mechanism of Oxidation  
of Ni-Pb Alloys.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal

Issled po Zharoproch Splavam, Vol X, 1963,

PTD-MT-63-495

233-239

Sci - M/n

Oct 45

A Study of Oxidation Kinetics in Mo-Al Alloys.  
RUSSIAN, per, Trudy Ak nauk SSSR, Inst Metal  
Issled po Zharoproch Splavam, Vol X, 1963,  
\*FTD-IT-65-495

246-251.

Sci - W/M  
Oct 63

High Temperature Oxidation of Nb Alloys Contain-  
ing Ti and Mo.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal,  
Issled po Zharoproch Splavam, Vol X, 1963,

\*F D-11-65-495

257-263.

Sci - 11/11

Oct 65

**Degassing of Electro-chemical Steel in Vacuum,**  
**by P. Ya. Shrokin.**

**RUSSIAN, per, Trudy Inst Met Nauk SSSR, Vol 2,**  
**1958, pp 67-72.**

**\*BISI 7868**

**Sci-Materials**

**Jan 70**

Solubility of Lead Chloride in Chloride Solutions,  
by Yu. A. Entkov.

RUSSIAN, per, Trudy Inst Metal i Obogashcheniya  
Ak Nauk Kazakh SSR, Vol I, 1959, pp 27-30.

MLL RTS 1816

Sci - Chem

Jan 62

180,022

Extraction of Copper From Slags by the Sulphidizing  
Method, by V. G. Schurovskiy.

~~RUSSIAN, per, Trudy Inst. Metallurg. i Obshch. Ak. Nauk~~  
Kazakh SSR, Vol I, 1959, pp 46-52.

NLI RTS 1864

Sci - Min/ Metals

194,031

Apr 62

Grigorovich, A. N., Shalavina, E. L. and others.  
COMBINED EXTRACTION OF CADMIUM, INDIUM,  
THALLIUM AND ZINC FROM LEAD-SMELTING  
DUSTS (Kompleksnoe izvlechenie Kadmiya, Indiya,  
Talliya i Tsinka iz Pyl'i Svintsovoi Plavki). Dec 61  
[15]p. 10 refs. RTS 1904.  
Order from OTS or SLA \$1.60

62-13731

Trans. of Akademiya Nauk Kazakhskoi SSR [Alma-  
Ata]. Inst[itut] Metallurgii i Obogashcheniya. Tr[udy]  
1959, v. 1, p. 65-75.

DESCRIPTORS: \*Cadmium, \*Indium, \*Thallium, \*Zinc,  
\*Lead, \*Smelting, \*Particles, Metals, Oxides, Sul-  
fides, Processing, Recovery, \*Solvent extraction.

(Metallurgy, TT, v. 7, no. 8)

62-13731

- I. Grigorovich, A. N.
- II. Shalavina, E. L.
- III. RTS-1904
- IV. Department of Scientific  
and Industrial Research  
(Gr. Brit.)

Office of Technical Services



Investigation into the Characteristics of Lead-Zinc  
Sulphide Concentrates in Respect to Drying in  
Drum Driers, by V. D. Ponomarev, E. I. Machkasov.

RUSSIAN, per, Izv. Inst. Metal. Obogashchaniya  
Ak. Nauk Kazakh. SSR, Vol. I, 1959, pp. 115-126.

MLL 1118 2135

Sci - M/M  
Mar 63

223,621

IMPROVEMENTS IN THE PROCESS OF CONCENTRATING  
ORES OF THE TEKELI DEPOSIT, BY V. A. BORODINA.

RUSSIAN, PER, TRUDY INST METAL OBOGASH AK NAUK  
KAZAKH SSR, VOL III, 1960, PP 76-84.

NLL RTS 2078

SCI - MIN/METALS

OCT 62

214,759

PROSPECTS FOR THE PRODUCTION OF VANADIUM AND  
ITS ALLOYS FROM THE ORES OF ~~BRUKHAR~~ KAZAKHSTAN,  
BY A. M. KUNAYEV, V. V. VOLEYNIK, 12 PP

RUSSIAN, PER, TRUDY INSTITUTA METALL I OBOGASHCH  
AK NAUK KAZAKH SSR, VOL V, 1962, PP 3-11

JPRS 21973

SCI-MAT & MET  
DEC 63

242,966

Significance of Dissociation Processes of Sulphides  
on Their Oxidation, by A. Okunev, N. Diev.  
RUSSIAN, per, Trudy Inst Metall Sverdlovsk, No 1,  
1957, pp 36-43.  
CSIRO/No 9539

Sci/Mat  
July 69

386-912

Anodic Polarisation of Melts of Copper, Lead, Zinc  
and Iron Sulphides, by V. Kovylna, D. Chizhikov.  
RUSSIAN, per, Trudy Inst Metall A.A. Baikoba, No 1,  
1957, pp 77-77.  
CSIRO/No 944

Sci/Mat  
July 69

386-909

Electric and Heat Conductivity of Fused Sulphides  
of Lead, Copper, Zinc and Iron, by

Z. Gulyanitskaya.

RUSSIAN, per, Trudy Inst Metall A.A. Baikova, No 2,  
1957, pp 54-64.

CSIRO/No 9541

Sci/Mat

July 69

386-967

Mechanism of the action of Carbon Monoxide on the  
Dehydration of Ferric oxide, by V. T. Bragin.  
RUSSIAN, per, Tudy Inst Metall Ural, No 5, 1960, pp8-61  
CRL/T. 16.5

Sci -  
Sep 67

340,292

Towards the Problem of the Vacuum Degassing of  
Electrical Steel, by P. Ya. Surokin, et al.,  
RUSSIAN, per. Tsimy Ak. Na. SISR, Ural'sk. Fil.  
Inst. Met., No 2, 1958, pp 67-72.  
BISI 7868

Sci/Mat  
Mar 70

404,240



Reaction of Iron Sulphides With Sulphur Dioxide, by  
H. P. Diav, et al.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Metal;  
Ural'skiy Filial, No 2, 1973, pp 95-105.

ILL RIS 1876

Sci

Mar 62

188, 824

Reverberatory Furnace Smelting by Roasting  
Copper Concentrates in Powder Form in Oxygen-  
enriched Air, by N. P. Diev.

RUSSIAN, per, Trudy Inst Metall Ak Nauk SSSR,  
Ural'skiy Ekz Fil, No 3, 1979, pp 67-74.

MLL N 8878

Sci - Eng  
Mar 63

~~XXXXXXXXXX~~  
224,290

Use of Glass as a Technological  
Lubricant for Hot Rolling, by  
D. I. Sayarov, V. P. Korzh, et al.  
RUSSIAN, per, Akad. Nauk SSSR,  
Dnepropetrovskii Filial, Trudy Inst Met.,  
No 9, 1962, pp 83-86.  
BISI 4158

Sci/MEM  
May 65

279,555

Theoretical Weight-Formula of Tapered Wings,  
by N. N. Fadayev, 23 pp.  
RUSSIAN, per. Trudy Inst. Matemat. Prikl. Raschet  
i Vychisleniya Parametrov i Form Samolet. No 138,  
1961, pp 23-47. 9596294  
FTD-TT-64-802

Sci - Aero  
Mar 65

276,22901

Proton Precipitation in Auroras, by

Yu. I. Gal'perin

RUSSIAN, per, Druzhba News USSR

Mezhdunarodnaya Gruzinskaya

Korrespondentskiy Otdel, No X, 1963, pp

70-79

•FTD-MT-65-478

*Yu. I. Gal'perin*

Sci-ESA

Sept 65

(FD) 21266)

Morphological Characteristics of Sulfate-Reducing  
Bacteria Occuring in Petroleum Deposits, by L. D.  
Shtum, 52 pp.

RUSSIAN, no per, Trudy Inst Mikrobiol, Ak Nauk  
SSSR, No 2, Moscow, Feb 1952, pp 3-32.

CIA/FDD/U-6125

USSR

Sci - Med, sulfate reducing bacteria

16,622

+

(FDD 25531)

On the Structure and Development of Streptococci,  
by N. A. Krasil'nikov, 18 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 2,  
Moscow, 1952, pp 33-43.

CIA/FDD U-7945

USSR

Sci - Biology, microbiology

33,744

V  
(FDD 25532)

Flagellar Apparatus of Azotobacter in the Electron  
Microscope, by N. A. Krasil'nikov, Yu. A. Khudya-  
kova, V. I. Biryuzova, 11 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, <sup>No 2</sup> ~~Vol II~~,  
Moscow, 1952, pp 44-50.

CIA/END-B-7946

USSR

Sci - Biology, microbiology

33,743



(FDD 25533)

Excretory and ~~MM~~ Reducing Functions of the Yeast Cell  
by M. N. Meyzel', N. A. Pomoshchnikova, 28 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 2,  
Moscow, 1952, pp 51-61.

CIA/FDD U-7964

33,742

USSR

Sci - Biology, microbiology

(FDD 25534)

Application of the Fluorescence Microscopy Method for  
the Determination of Live and Dead Algae Cells, by  
S. V. Goryunova, 28 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 2,  
Moscow, 1952, pp 64-77.

CIA/FDD U-7965

USSR

Sci - Biology, microbiology

33,741

V  
(FID 25535)

Study of Certain Aspects of the Metabolism of *Bacillus Acetotyllicus* [*Bacillus Macerans*] With the Use of Enzymatic Poisons, by Yu. I. Sorokin, 24 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 2, Moscow, 1952, pp 89-99.

CIA/FID U-8004

USSR

Sci - Biology, microbiology

33,739

(FDD 25536)

A Full-Value Synthetic Medium for *Bacillus Acetobutylicus*, (*Bacillus Macerans*), by N. D. Yerusaliyskiy, S. A. Anisimova, L. I. Yerokhina, 14 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 2, Moscow, 1952, pp 114-120.

CIA/FDD U-8005

33,738

USSR

USSR

Sci - Biology, microbiology

(PDD 21267)

New Methods for the Isolation of Sulfate-Reducing  
Bacteria, by Yu. I. Sorokin, 16 pp.

RUSSIAN, no per, Trudy Inst Mikrobiol. Ak Nauk SSSR.  
N. 2, Moscow, Feb-1972, pp 121-129.

CIA/PDD/U-6126

US&R

Sci - Med, sulfate reducing bacteria

16.625

(FDD 25537)

Characteristics of the Saprophytic Microflora of  
the Water of Lakes of Varying Degrees of Trophicity,  
by A. A. Yegorova, Z. P. Deryagina, S. I. Kuznetsov,  
25 pp.

RUSSIAN, yr per, ~~Trudy~~ Instituta Mikrobiol, No 2,  
Moscow, 1952, pp 139-149.

CIA/FDD U-8006

33,737

USSR

Sci - Biology, microbiology

V  
(TDD 25538)

Species Composition of Yeast Organisms Isolated  
From Various Depths in the Black Sea, by Ye. A.  
Rukina, M. I. Novozhilova, 13 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 2,  
Moscow, 1952, pp 150,156.

CIA/TDD U-8007

USSR

Sci - Biology, microbiology

33,736

Chemistry of the Process of Reduction of  
Sulphates by Hydrogen, by Yu. I. Sorokin,  
22 pp.

RUSSIAN, per, Trudui Instituta Mikrobiologii  
Akademii Nauk SSSR, pl. 3, 1954, pp 21-34.

Sci Mus Lib 55/2328

Sci - Chemistry

29,556



(FDD 25528)

Recurrent Features in the Ecologic-Geographic Distribution of *Bacillus Mycoides* and *Bacillus Mesentericus* in the Light of Data on Interspecies Antagonism, by E. K. Arifov, 19 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 3, Moscow, 1954, pp 144-153.

CIA/FDD U-8447

~~36,547~~

USSR

Sci - Biology, microbiology

36805

(FDD 25529)

Method of Storing Actinomycetes in a Dry State, by  
A. I. Korenyako, 5 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 3,  
Moscow, 1951, pp 221-223.

CIA/TDD U-8448

USSR

Sci - Biology, microbiology

~~36,543~~  
36807

(FDD 25537)

Isolation of Actinophages From the Soil, by E. S.  
Chavira, 12 pp.

RUSSIAN, yr per, Trudy Instituta Mikrobiol, No 3,  
Moscow, ~~1954~~ 1954, pp 224-229.

CIA/FDD U-8449

USBR

Sci - Biology, microbiology

~~36,577~~

36808

Soil Microbiology and Its Current Problems, by  
Ye. N. Mishustin.

RUSSIAN, per, Trudy Instituta Mikrobiologii,  
Akademii Nauk SSSR, Vol 1, No 1, 1955,  
pp 155-178. 9232973

NASA TT F-414

USSR

Sci/Earth Sci

Apr 66

298,873

About the Activities of the Institute of Microbiology  
of the Academy of Science of USSR for the Past  
Twenty-five Years, by A. A. Inshenetskiy.

RUSSIAN, per, Trudy Ak Nauk Inst Mikrobiol, No 5,  
1958, pp 6-17. CIA 9042916

USDA

Sci - Medicine  
Oct 5)

98,921

Slightly Soluble Minerals and Organic Substances  
as Nutrients of Mycorrhizal Fungi, by A. K. Eglite,  
7 pp.

RUSSIAN, per, Trudy Inst Mikrobiologii, Ak Nauk  
Leningradskoi SSR, No 7, 1958, pp 67-73.

OTS 63-11006

PL-480

Sci - Agri  
jun 64

260,399

62-18851

Brusilinskii, N. D.  
ON THE LAWS OF GROWTH AND DEVELOPMENT  
OF MICROORGANISMS. [1962] [33] p. 26 refs.  
Free copies available from Boeing Scientific Research  
Labs. Library as Boeing Trans. R37. When supply is  
exhausted, order from OTS or SLA \$3.60, 62-18851

Trans. of Akademiya Nauk SSSR. Institut Mikro-  
biologii. Trudy 1959, v. 6, p. 20-37.

DESCRIPTORS: \*Microorganisms, \*Bacteria, Growth,  
Reproduction, Mathematical analysis, \*Culture media,  
Population, Control, \*Germ-free atmospheres.

The most important indices of growth of microbe cul-  
tures in stationary and circulating media were exam-  
ined and formulas were adduced for the calculation of  
the growth rate, the size of the biological mass of the  
culture, and the duration of a generation. A charac-  
terization of the development of separate microbe in-  
(Biological Sciences--Microbiology. TT, v. 9, no. 4)  
(over)

- I. Brusilinskii, N. D.
- II. Boeing Trans-R37
- III. Boeing Scientific Research  
Labs., Seattle, Wash.

Office of Technical Services

Orlova, N.V., Popova, L.A. and others.  
PARTICULARITES PHYSIOLOGIQUES DES ORGANIS-  
MES PRODUCTEURS DES TETRACYCLINES (Fiziol-  
gicheskie Osobennosti Proizvodstvenov Tetratsiklinov)  
(Physiology of Tetracycline Producers). 30p. 31 refs.  
CNRS-XVII bis 72.  
Order from OTS, ETC or CNRS \$2.60 TT-62-28323

Trans. in French of Akademiya Nauk SSR, Institut  
Mikrobiologii, 1959, v. 6, p. 251-264.

DESCRIPTORS: \*Tetracyclines, Antibiotics, \*Acti-  
nomycetes, Biosynthesis, Physiology.

(Biological Sciences--Microbiology, TT, v. 11, no. 7)

TT-62-28823

- I. Orlova, N.V.
- II. Popova, L.A.
- III. CNRS- XVII bis 72
- IV. Centre National de la Recher-  
che Scientifique, Paris

Office of Technical Services  
European Translations Centre



63-20250

I. Mogilevskii, G. A.

Mogilevskii, G. A.  
SOME RELATIONSHIPS OF THE DISTRIBUTIONS OF  
NATURAL GASES AND OF BACTERIA IN A REGION  
OF OIL AND GAS FIELDS. [1963] [13p] 3refs  
Order from OTS or SLA \$1.60 63-20250

Trans. of [Akademiya] Nauk SSSR, Inst[ut]  
Mikrobiologii. Trudy, 1961, v. 9, p. 45-56.

DESCRIPTORS: \*Natural gas, \*Bacteria, Geology,  
\*Petroleum, Oxidation, Propanes, Methanes,  
Hydrocarbons.

In a series of USSR regions investigations were carried  
out on the distribution of hydrocarbon oxidizing bac-  
teria in subsoil horizons and waters with the goal of  
oil and gas prospecting. Determined relationships in  
distribution of natural gases and microorganisms on  
the zone of deposits were found. Positive results of the  
(Earth Sciences--Geology, TT, v. 10, no. 12) (over)

Office of Technical Services

Simakova, T. L., Kolesnik, Z. A., Strigaleva, N. V.  
and others.

**BACTERIAL CHANGE OF PETROLEUM AND OF ITS  
COMPONENTS UNDER ANAEROBIC CONDITIONS.**

[196?] [5p] 3 refs

Order from OCS or SLA \$1.10

63-20251

Tran.s. of Akademiya Nauk [SSSR], Institut  
Mikrobiologii. Yr[uzh] 1961, v. 9, p. 81-85.

**DESCRIPTORS:** \*Petroleum, Anaerobiology, Micro-  
organisms, \*Pseudomonas, Biosynthesis, Hydro-  
carbons, Nitrogen, Sulfur, Metabolism, Biochemistry.

The effect of bacterial metabolism was investigated on  
the transformation of some components in paraffinic  
oils. Bacterial biocenoses were produced under  
anaerobic conditions on a mineral medium with  
petroleum. Stratum waters from several crude oil  
fields served for isolation of the biocenoses. Most of  
(Biological Sciences--Microbiology, TT, v. 10, no. 12)

63-20251

1. Title: Biocenosis

I. Simakova, T. L.

II. Kolesnik, Z. A.

III. Strigaleva, N. V.

Office of Technical Services

Study of the Echo and Coxsackie Group  
of Enteroviruses in Laboratory Animals,  
by V. I. Zhevaandrova, 12 pp.  
RUSSIAN, per, Trudy Inst Mikrobiologii,  
1962, pp 47-59.  
ACSI I-5544 A  
ED 2204040164

Sci - Biol & Med Sci  
Aug 65

287,560

Study of the Histopathology of Experimental  
Infection With Coxsackie A-14 Viruses,  
by M. P. Frolova, 9 pp.

RUSSIAN, per, Tsenty Inst Mikrobiologii,  
Vol XVII, 1962, pp 60-71.

ACSI I-5544 B

ID 2204040164

Sci - Biol & med Sci  
Aug 65

287,661

Simple Protein Hydrolysate Medium for the  
Growth of Different Cells, by

M. G. Lavrov.

MESSIA, per. Trudy Inst Mikrobiologii,  
Vol XVII, 1962, pp 155-159.

MSI 1-5544 C

ID 2204040164

Sci - Biol & Med Sci

Aug 65

287,562

**Soil Microbiology and Its Current Problems,**  
**by Ye. N. Mishustin.**

**RUSSIAN, per, Trudy Inst Mikrobiol Ak Nauk**  
**USSR, Vol 1, No 1, 1955, pp 155-175.**

**TASA TT F-414**

**Sci-Agr**

**Jun 66**

**302,027**

Geochemistry of the Khibina Alkaline Massif, by  
L. S. Borodin, 13 pp.

RUSSIAN, per, Trudy Inst Mineral Geokhin i  
Kristallichin Redkikh Elementov, No 1, 1957,  
pp 23-34.

AND Tr-4186

Sol - Chen  
24 Feb 62

144,046

Lovozero and Khibina Massifs -- A Rare-Metal  
Biogeochemical Provinces, by A. A. Dudykina,  
E. I. Semenov, 5 pp.

RUSSIAN, per, Trudy Inst. Mineral. Geokhim. i  
Kristallografiya, No 1, 1957,  
pp 35-37.

AEC Tr-4185

Sci - Chem  
24 Feb 61

141,045



61-15871

PROBLEMS OF MINERALOGY, GEOCHEMISTRY AND GENESIS OF RARE ELEMENTS DEPOSITS, tr. by C. de Leuchtenberg. Jan 61, 135p. (3 figs. omitted)  
8 refs.

Order from OTS or SLA \$10.50

61-15871

Trans. of [Akademiya Nauk SSSR. Institut Mineralogi, Geokhimi (Kristalloghimi Redkikh Elementov. Trudy)] 1959, v. 2, p. 1-81.

\*Another trans. of p. 74-77 is available from LC or SLA at \$2.00, plus \$1.30 as 60-19866 [1960] [11]p.

DESCRIPTORS: Beryllium, Selenium, Tellurium, Scandium, Rubidium, \*Deposits, Minerals, Copper, Nickel, Ores, Geochemistry, \*Geology, Genetics, Sedimentation, Rare earths.

(Earth Sciences--Geology, TT, v. 7, no. 10) (over)

Office of Technical Services

Some Laws of Distribution of Selenium and  
Tellurium in Copper-Nickel ores in the  
Novitsk District Deposits, by G. G. Zainullin,

RUSSIAN, per, Trudy Inst Mineral Geokhim i  
Kristal Redkikh Elementov Ak Nauk SSSR, Vol  
II, 1959, pp 74-77.

Dept of Interior  
TM7 E57 No 313

Sci. - Geophysics  
Dec 60

133,879